**23BAI1117 – BCSE103E – Java**

**09/09/2024 – Day7 – Theory**

<https://github.com/sriram-s-23BAI1117/javap>

**Exercise on 9-9-24**

An Employee class has four parameters (name: String, mobile-number: String, year of joining: integer and age: integer) which are initialized using a constructor. This class also has a employeeDisplay() method that prints all these details of an employee.A Manager class inherits Employee class along with an additional parameter named “department: String”. The constructor of this class initializes its own parameter along with the Employee class parameters using both super() and this. It also has a method named as managerDisplay() that prints all the five parameters of the Manager class. Create an object of the Manager class and print the details of a Manager as explained above. Input Format:In the first line, enter the name of the employeeIn the second line, enter the mobile number

**Code:**

import java.util.Scanner;

class Employee {

    protected String name;

    protected String mobileNumber;

    protected int yearOfJoining;

    protected int age;

    public Employee(String name, String mobileNumber, int yearOfJoining, int age){

        this.mobileNumber = mobileNumber;

        this.name = name;

        this.yearOfJoining = yearOfJoining;

        this.age = age;

    }

    public void employeeDisplay(){

        System.out.println("Name: "+ name);

        System.out.println("Mobile number: "+ mobileNumber);

        System.out.println("Year of joining: "+ yearOfJoining);

        System.out.println("Age: "+ age);

    }

}

class Manager extends Employee{

    private String department;

    public Manager(String name, String mobileNumber, int yearOfJoining, int age, String department){

        super(name, mobileNumber, yearOfJoining, age);

        this.department = department;

    }

    public void managerDisplay(){

        employeeDisplay();

        System.out.println("Department: "+ department);

    }

}

public class Exercise{

    public static void main(String[] args) {

        Scanner input = new Scanner(System.in);

        System.out.print("Enter the name of the Manager: ");

        String name = input.nextLine();

        System.out.print("Enter the mobile number of the Manager: ");

        String mobnum = input.nextLine();

        System.out.print("Enter the year of joining of the Manager: ");

        int yoj = input.nextInt();

        System.out.print("Enter the age of the Manager: ");

        int age = input.nextInt();

        System.out.print("Enter the department of the manager: ");

        input.nextLine();

        String depart = input.nextLine();

        Manager myManager = new Manager(name, mobnum, yoj, age, depart);

        myManager.managerDisplay();

        input.close();

    }

}

**Output:**

